TCAP Achievement, Grade 5, Mathematics
Criterion Referenced Test (CRT) Reporting Categories with State Performance Indicators (SPI)

SPI#	State Performance Indicator
Number Sense/Number Theory	
5.1.1	Read and write numbers from millions to thousandths.
5.1.2	Connect symbolic representations of proper and improper fractions to models of proper and improper fractions.
5.1.3	Represent whole numbers and two-place decimals in expanded form.
5.1.5	Identify the place value of a given digit from millions to thousandths.
5.1.6	Represent, compare, and order whole numbers and decimals to thousandths.
5.1.7	Use estimation to select a reasonable solution to a whole number computation.
5.1.10	Represent numbers as both improper fractions and mixed numbers.
5.1.11	Compare and order fractions using the appropriate symbol (<,>,=).
5.1.13	Generate equivalent forms of commonly used fractions, decimals, and percents (e.g., 1/10, 1/4, 1/2, 3/4).
Computation	
5.1.4	Add, subtract, multiply, and divide whole numbers (multipliers and divisors no more than two-digits).
5.1.8	Add, subtract, and multiply decimals.
5.1.12	Add and subtract commonly used fractions.
5.1.14	Multiply a fraction by a multiple of its denominator (denominator less than or equal to 10).
Algebraic Thinking	
5.2.1	Extend numerical patterns.
5.2.2	Extend geometric patterns.
5.2.3	Apply basic function rules.
5.2.4	Connect open sentences to real-world situations.
5.2.5	Solve open sentences involving addition, subtraction, multiplication, and division.
5.2.6	Generalize numerical patterns using a variable.
5.2.7	Select an equation that represents a given mathematical relationship.
5.3.5	Locate and specify a point in Quadrant I of a coordinate system.
5.5.8	Make predictions based on data.
Real World Problem Solving	
5.1.9	Solve one- or two-step real-world problems involving addition, subtraction, and/or multiplication of whole numbers and decimals.
5.2.8	Extend rate charts to solve real-world problems.
5.4.4	Solve real-world problems involving addition and subtraction of measurements.
5.4.8	Solve real-world problems involving elapsed time.
5.4.10	Solve real-world problems involving perimeter and area of rectangles.
Data Analysis and Probability	
5.5.1	Represent data using bar graphs and pictographs.
5.5.2	Interpret data displayed in bar graphs and pictographs.
5.5.3	Determine the median of a data set.
5.5.4	Determine the mode of a data set.
5.5.5	Determine the most likely, least likely, or equally likely outcomes in simple experiments.
5.5.6	Represent the likelihood of an event using a fractional number from zero to one.
5.5.7	Determine the mean of a data set.

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Measurement	
SPI#	State Performance Indicator
5.4.1	Read temperature using Fahrenheit and Celsius scales.
5.4.2	Use a ruler to measure to the nearest centimeter and 1/4 inch.
5.4.3	Use estimation to determine if a length or volume measurement is reasonable.
5.4.5	Select appropriate standard units to measure length, perimeter, area, capacity, volume, weight, time, temperature, and angles.
5.4.6	Connect simple units of measurement within the same system of measurement.
5.4.7	Use strategies to estimate perimeter and area of rectangles.
5.4.9	Apply formulas to find the area of parallelograms and triangles.
Geometry	
SPI#	State Performance Indicator
5.3.1	Identify lines, line segments, rays, and angles.
5.3.2	Identify lines of symmetry in two-dimensional geometric figures.
5.3.3	Identify two- or three-dimensional shapes given defining attributes.
5.3.4	Use spatial reasoning to predict the result of sliding, flipping, or turning a two-dimensional shape.
5.3.6	Classify geometric figures using properties.
5.3.7	Use spatial reasoning to identify the three-dimensional figure created from a two-dimensional representation (net) of that figure (i.e., cube, rectangular prism, pyramid, cone, or cylinder).